

THREE-POLE CONTACTOR, FLA 14A, AC COIL 60HZ, 575VAC, 1NC AUXILIARY CONTACT



Product designation			Power contactor DPBG12
Product type designation Contact characteristics			DPBG12
Number of poles		Nr.	3
Operational frequency		141.	
operational frequency	min	Hz	25
	max	Hz	400
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	184
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data			
Performance level B10d according to EN/ISO 13489	-1		
	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			Yes
EMC compatibility			yes
			,
AC coil operating			
AC coil operating Rated AC voltage at 60Hz		V	575
AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	
AC coil operating Rated AC voltage at 60Hz AC operating voltage	up		575
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	up min	%Us	575 75
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	up min max		575
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	up min max -out	%Us %Us	75 115
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	up min max -out min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	up min max -out	%Us %Us	75 115
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	min max -out min max	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	up min max -out min max OHz	%Us %Us %Us %Us	575 75 115 20 55
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	min max rout min max OHz in-rush	%Us %Us %Us %Us	575 75 115 20 55
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	up min max -out min max OHz in-rush holding	%Us %Us %Us %Us	575 75 115 20 55
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-	min max -out min max OHz in-rush holding	%Us %Us %Us %Us VA	575 75 115 20 55
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	min max -out min max OHz in-rush holding OHz in-rush	%Us %Us %Us %Us	575 75 115 20 55 30 4
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	up min max -out min max OHz in-rush holding OHz in-rush holding	%Us %Us %Us %Us VA	575 75 115 20 55
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	up min max -out min max OHz in-rush holding OHz in-rush holding	%Us %Us %Us %Us VA	575 75 115 20 55 30 4
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	min max -out min max OHz in-rush holding OHz in-rush holding	%Us %Us %Us %Us VA VA	575 75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick- drop AC average coil consumption at 20°C of 50/60Hz coil powered at 5	min max -out min max OHz in-rush holding OHz in-rush holding OHz in-rush	%Us %Us %Us %Us VA VA VA	575 75 115 20 55 30 4 25 3 30





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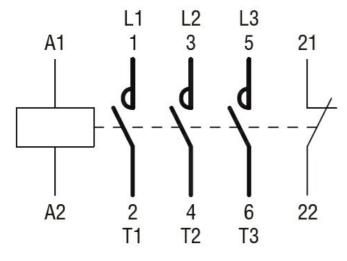
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co	ntrol			
	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			
		min	ms	9
		max	ms	18
	Closing NC			
		min	ms	17
		max	ms	26
	Opening NC			
		min	ms	7
		max	ms	17
	in DC			
	Closing NO			
		min	ms	18
		max	ms	25
	Opening NO			
		min	ms	2
		max	ms	3
	Closing NC			
		min	ms	3
		max	ms	5
	Opening NC			
		min	ms	11
		max	ms	17
UL technical data		max	ms	
Rated operational volta		max		600
Rated operational volta	ge AC (UL) for three-phase AC motor		ms V	600
Rated operational volta		at 480V	ms	600
Rated operational volta Full-load current (FLA)	for three-phase AC motor		V A A	600 11 11
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor	at 480V	V A	600
Rated operational volta Full-load current (FLA)	for three-phase AC motor RA) formance	at 480V	V A A	600 11 11
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor	at 480V at 600V	V A A A	600 11 11 84
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance	at 480V at 600V	V A A A HP	600 11 11 84 0.5
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V	V A A A	600 11 11 84
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance	at 480V at 600V 110/120V 230V	V A A A HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V 200/208V	V A A A HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V	V A A A HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V	V A A A HP HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V 200/208V 220/230V	V A A A A HP HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V	V A A A HP HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V	V A A A HP HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V	V A A A HP HP HP	600 11 11 84 0.5 1.5
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	RA) for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	V A A A HP HP HP HP	600 11 11 84 0.5 1.5 3 3 7.5 10
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	RA) for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	V A A A HP HP HP HP	600 11 11 84 0.5 1.5 3 3 7.5 10
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor fuse, 600V	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	V A A A HP HP HP HP	600 11 11 84 0.5 1.5 3 3 7.5 10
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor fuse, 600V	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	V A A A HP HP HP HP HP A	600 11 11 84 0.5 1.5 3 3 7.5 10
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor fuse, 600V	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	V A A A HP HP HP HP HP KA	600 11 11 84 0.5 1.5 3 3 7.5 10
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor fuse, 600V	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current Fuse rating	V A A A HP HP HP HP HP KA	600 11 11 84 0.5 1.5 3 3 7.5 10 20
Rated operational volta Full-load current (FLA) Locked rotor current (L Yielded mechanical per	for three-phase AC motor RA) formance for single-phase AC motor for three-phase AC motor Contactor fuse, 600V High fault	at 480V at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current Fuse rating	V A A A HP HP HP HP HP KA	600 11 11 84 0.5 1.5 3 3 7.5 10 20





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Storage temperature Max altitude Resistance & Protection Pollution degree Dimensions			
Temperature Operating temperature Tolerating temperature Storage temperature Max altitude Resistance & Protection Pollution degree Dimensions			A600 - Q600
Operating temperature r Storage temperature r Max altitude Resistance & Protection Pollution degree Dimensions			
Storage temperature Max altitude Resistance & Protection Pollution degree Dimensions			
Storage temperature Max altitude Resistance & Protection Pollution degree Dimensions			
Storage temperature Max altitude Resistance & Protection Pollution degree Dimensions	min	°C	-50
Max altitude Resistance & Protection Pollution degree Dimensions	nax	°C	+70
Max altitude Resistance & Protection Pollution degree Dimensions			
Max altitude Resistance & Protection Pollution degree Dimensions	min	°C	-60
Resistance & Protection Pollution degree Dimensions	nax	°C	+80
Pollution degree Dimensions		m	3000
Dimensions			
			3
M II			
4.4 (0.17") (0.17") (0.17") (0.38") (1.37") (0.33") (0.33") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37")	3.2 — (0.12")	(2.	RF9 7.6 89.2 (0.30")



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-75

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching